

## CLAIMS

1. A hybridization method of hybridizing a sample biopolymer and a probe biopolymer in a state that a solution containing the sample biopolymer is in contact with only a slide glass to which the probe biopolymer is immobilized, by carrying out hybridization in a closed vessel containing a solution having the same vapor pressure as the solution containing the sample biopolymer.

5 2. The hybridization method according to claim 1, carrying out hybridization on a slide glass constituted of a hydrophilic region having a surface to which a plurality 10 of probe biopolymers are immobilized and a hydrophobic region, to which no probe biopolymer is immobilized, around the hydrophilic region.

15 3. The hybridization method according to claim 2, wherein the slide glass is a microarray formed by arranging a plurality of hydrophilic regions to which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions.

20 4. A hybridization microarray to be applied to the hybridization according to claim 1,

formed by arranging a plurality of hydrophilic regions to which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions.

25 5. A hybridization kit to be applied to the hybridization according to claim 1, comprising:

a microarray formed by arranging a plurality of hydrophilic regions to which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no

probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions; and

a closed vessel having an internal space capable of storing said microarray.